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(71) Applicants and

(72) Inventors: **HAINES, Thomas, W.** [US/US]; 4541 Cromwell Drive, Evansville, IN 47725 (US). **KEIFER, George, O.** [US/US]; 107 Lakeview Drive, Summerville, SC 29485 (US).

(74) Agent: **PRICE, Gary, K.**; Bowers Harrison, LLP, 25 N.W. Riverside Drive, P.O. Box 1287, Evansville, IN 47706-1287 (US).

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(54) Title: PROTECTIVE LUBRICANT FORMULATION

(57) **Abstract:** A surface protective lubricant formulation that can be applied to a variety of surfaces and provides enhanced anti-corrosion capabilities, the formulation consisting of one hundred percent (100%) hydrocarbon components. In particular, the composition includes a solvent hydrocarbon, and first and second petroleum hydrocarbons. The hydrocarbon solvent, which is mineral spirits, is in the range of from about 20% to about 70% by weight of the total formulation, with about 55% being optimal. The solvent hydrocarbon used herein is preferably the chemical named synthetic iapparaffinic hydrocarbon. The first petroleum hydrocarbon is in the range of from about 1% to about 35% by weight of the total formulation, with about 18% being optimal. The first petroleum hydrocarbon is manufactured by ExxonMobil Corporation under the trade name PROWAX 561. The second petroleum hydrocarbon is in the range of from about 1% to about 40% by weight of the total formulation, with about 26% being optimal. The second petroleum hydrocarbon is manufactured by ExxonMobil Corporation under the trade name PROWAX 890.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/09757

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C10M 101/02  
 US CL : 585/13; 252/387; 208/18, 19, 20, 21; 508/110

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 585/13; 252/387; 208/18, 19, 20, 21; 508/110

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Please See Continuation Sheet

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EAST search terms: paraffin, mineral spirits, lubricant, prowax, solvent

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.,
Y	US 5,498,353 A (LIN et al) 12 March 1996 (12.03.1996), column 2, lines 37-59.	1, 5-7, 11
Y	US 4,983,313 A (KANEKO et al) 08 January 1991 (08.01.1991), column 1, lines 38-62.	1-10
A	US 4,464,275 A (YASUT) 07 August 1984 (07.08.1984), column 2, lines 3-35.	1-17
A	US 6,063,261 A (BACA) 16 May 2000 (16.05.2000), column 1, lines 32-45.	1-17
A	US 6,426,322 B2 (ALEXANDER) 30 July 2002 (30.07.2002), column 1, line 50 to column 2, line 38.	1-17
A	US 4,001,391 A (FEINSTONE et al) 04 January 1977 (04.01.1977), column 1, line 35 to column 2, line 15.	1-17

Further documents are listed in the continuation of Box C.  See patent family annex.

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Mail Stop PCT, Attn: ISA/US  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Glenn Calderola

Telephone No. (571) 272-1700